| Index of | Claims |
|----------|--------|
|          |        |

Application No.

Applicant(s)

10/693,208

TSAI ET AL.

Examiner

Art Unit

2871

| / | Rejected | _ | (Through numeral)<br>Cancelled |  | N | Non-Elected  | Α | Appeal     |
|---|----------|---|--------------------------------|--|---|--------------|---|------------|
| = | Allowed  | + | Restricted                     |  | 1 | Interference | o | Objected ` |

Toan Ton

|                   | Date  |          |                 |                         |                    |                   | Claim Date |          |          |          |           |          | L        | Cla      | aim      | Date     |          |                    |          |          |          |              |          |  |                   |  |          |  |                 |          |                 |
|-------------------|---|----------|-----------------|-------------------------|--------------------|-------------------|------------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|--------------------|----------|----------|----------|--------------|----------|--|-------------------|--|----------|--|-----------------|----------|-----------------|
| =                 | 4   |          |                 |                         |                    |                   |            |          |          | =        |           |          |          |          |          |          |          |                    | l        |          | _        | <del>-</del> |          |  |                   |  |          |  |                 |          |                 |
| Finat<br>Original | 10/15/04  |          |                 |                         |                    |                   |            | 100      | <u> </u> | Original |           | - 1      |          |          | -        |          |          |                    | ļ        |          | Final    | Original     |          |  |                   |  |          |  |                 |          |                 |
| <u>ir</u>   ig    | 9   |          |                 |                         |                    | 1                 |            | تا       | -        | 9        |           |          |          |          |          |          |          |                    |          | İ        | ᄄ        | Ö            |          |  |                   |  |          |  |                 |          |                 |
|                   |   | Ш        | $\Box$          |                         | _                  |                   | Ш          | _        | 4        |          |           | -        |          |          |          | _        | _        | -                  | 4        | -        |          |              |          | ┝  | _                 | $\vdash$   | $\vdash$ | _  | $\Box$          | _        | Ш               |
| 1                 | 7   | $\vdash$ | $\vdash$        | +                       | +                  | $\perp$           | Н          | -        |          | 51       | $\dashv$  | -        | $\dashv$ |          | -        |          | $\dashv$ | 4                  | 4        | -        |          | 101          | _        | _  | <u> </u>          | H  |          | -  | $\vdash$        |          | Н               |
| 3                 |   | $\vdash$ |                 | +-                      | +                  | +-                | Н          | -        |          | 52<br>53 | -         | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | +                  | -        | H        |          | 102<br>103   | -        |  |                   | -  | _        |  | $\dashv$        |          | Н               |
| 4                 | ╫┼  | Н        | -               | ╫                       | +                  | ╁╌                | Н          | -        | +        | 54       | -         | $\dashv$           | $\dashv$ | ┝        |          | 103          | ┝        | -  | $\vdash$          | -  |          | $\vdash$   | $\vdash$        |          | $\vdash$        |
| 5                 | ++  | $\vdash$ | +               | +                       | ╁                  | ╁                 | Н          | -        | $\dashv$ | 55       | $\dashv$  | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +                  | $\dashv$ | ⊢        |          | 105          | -        |  | ┢                 | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$        | $\dashv$ | Н               |
| 6                 | ++-   | H        |                 | +                       | ╅                  | $\vdash$          | Н          |          | +        | 56       |           | $\dashv$ | $\dashv$ | _        | $\dashv$ | $\dashv$ | -        | +                  | $\dashv$ | H        | $\dashv$ | 106          | $\vdash$ |  | -                 |  |          | <del>                                     </del> | $\vdash$        |          | Н               |
| 7                 | $\dagger \dagger \dagger \dagger$                 |          |                 | $\top$                  | 1                  | T                 | Н          |          | 7        | 57       | $\Box$    | $\dashv$ | ヿ        | $\neg$   | $\neg$   | $\neg$   | 寸        | $\dashv$           | 7        |          |          | 107          |          |  |                   | $\vdash$   |          |  |                 |          | П               |
| 8                 | HI  |          |                 | 1                       | 丅                  |                   | П          |          |          | 58       |           | $\neg$   | $\neg$   |          |          |          |          |                    | 7        |          |          | 108          |          |  |                   |  |          |  |                 |          | П               |
| 9                 |   |          |                 |                         |                    |                   |            |          | $\neg$   | 59       |           | П        |          |          |          |          |          |                    |          |          |          | 109          |          |  |                   |  |          |  |                 |          |                 |
| 10                |   |          |                 | $\perp$                 |                    |                   |            |          |          | 60       |           |          |          |          |          |          |          |                    |          |          |          | 110          |          |  |                   |  |          |  |                 |          |                 |
| 11                | Ш   |          |                 | $\perp$                 |                    |                   |            |          |          | 61       |           | I        |          | $\Box$   |          |          |          | $oldsymbol{\perp}$ |          |          |          | 111          |          | L  | L_                | $\Box$   |          |  | Ш               |          | $\square$       |
| 12                | U   | Ш        |                 | 4-                      | 1                  | $\sqcup$          | Ш          | _        | _        | 62       | _ļ        |          | _        |          |          | _        | _        | 4                  | _        | <u> </u> |          | 112          |          | <u> </u>   | oxdot             | <u> </u>   |          | _  | Ш               | _        | Ш               |
| 13                |   | Ш        | $\perp \perp$   | 4                       | +-                 | $\vdash$          | Щ          | ⊢        |          | 63       | _         | $\dashv$ | _        | $\dashv$ | $\dashv$ | _        | _        | $\dashv$           | _        | $\perp$  |          | 113          | _        |  | <u> </u>          | <u> </u>   | _        | <u> </u>   | $\sqcup$        | _        | Ш               |
| 14                | $\vdash \vdash$                                   | Ш        |                 | - -                     | +                  | $\vdash$          | Ы          | <u> </u> | -        | 64       | _         |          | 4        | 4        |          |          | 4        | +                  | 4        | -        |          | 114          | <u> </u> | <u> </u>   | <u> </u>          | $\vdash$   |          | <u> </u>   | $\sqcup$        | _        | Ш               |
| 15                | -   | Н        | $\vdash \vdash$ | +                       | +-                 | $\vdash$          | Н          | <br>     |          | 65       |           | -        | -        | -        | _        |          |          | +                  | $\dashv$ | ⊢        | .        | 115          | _        | ⊢  | -                 | H  | -        | -  | $\vdash \vdash$ |          | Ш               |
| 16<br>17          | $\vdash$  | Н        | +               | +                       | +                  | $\vdash$          | Н          | $\vdash$ |          | 66<br>67 | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$           | $\dashv$ | $\vdash$ |          | 116<br>117   | $\vdash$ | -  | $\vdash$          | -  | -        | -  | $\vdash \vdash$ | $\dashv$ | $\vdash$        |
| 18                | <del>                                     </del>  | $\vdash$ |                 | +-                      | ╁                  |                   | Н          | <u> </u> |          | 68       |           |          | $\dashv$ |          |          |          |          | $\dashv$           | $\dashv$ | -        |          | 118          | $\vdash$ | -  | -                 | -  |          |  | $\vdash$        | -        | $\vdash\vdash$  |
| 19                |   | Н        | $\vdash$        | ╁                       | +                  | 1                 | Н          | ⊢        | $\dashv$ | 69       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$           | $\dashv$ | $\vdash$ | $\dashv$ | 119          | $\vdash$ | $\vdash$   | ┝                 | -  | $\vdash$ | -  | Н               | -        | Н               |
| 20                |   | Н        | +               | +                       | +                  |                   | Н          | $\vdash$ |          | 70       | $\dashv$  | -        | $\dashv$ | -        | _        | $\dashv$ | $\dashv$ | $\dashv$           | $\dashv$ | ┢        | $\dashv$ | 120          |          | -  | <del> </del>      |  | -        |  | $\vdash$        |          | Н               |
| 21                |   | П        | $\top$          | $\top$                  | +                  |                   | Н          |          |          | 71       | _         | _        |          | 7        | 一        | $\neg$   | 7        | $\top$             | ٦.       | 1        |          | 121          | Т        | _  |                   | $\vdash$   | -        | $\vdash$   | $\vdash$        |          | П               |
| 22                | <del>                                      </del> | П        |                 | +                       | +                  |                   | Н          |          | 7        | 72       | $\exists$ | 7        | 寸        |          | $\neg$   | ┪        | 7        | 寸                  | 7        | r        |          | 122          |          |  | П                 |  |          |  |                 |          | П               |
| 23                |   | П        |                 |                         | 1                  |                   | П          |          |          | 73       | $\neg$    | $\neg$   |          |          | $\neg$   | $\neg$   | $\neg$   | T                  | 7        |          |          | 123          |          |  |                   |  |          |  |                 |          | П               |
| 24                |   |          |                 |                         |                    |                   |            |          | $\Box$   | 74       |           |          |          |          |          |          |          |                    |          |          |          | 124          |          |  |                   |  |          |  |                 |          |                 |
| 25                |   |          |                 |                         |                    |                   |            |          |          | 75       |           |          |          |          |          |          |          |                    |          |          |          | 125          |          |  |                   |  |          |  |                 |          |                 |
| 26                |   | Ш        |                 | $\perp$                 |                    |                   | Ш          |          | $\perp$  | 76       | _         | _        |          |          |          |          | _        |                    | _        | L        |          | 126          |          | L  |                   |  |          | _  | Ш               |          | Ш               |
| 27                | $\sqcup \!\!\!\! \perp$                           | Ш        | $\perp$         | $\perp$                 | $\perp$            |                   | Ц          | $\perp$  |          | 77       | _         | _        | _        | _        |          | _        | _        | 4                  | _        | L        | _        | 127          | _        |  | <u> </u>          | <u> </u>   |          | L  | Ц               | _        | Ш               |
| 28                | <u> </u>  |          | $\perp$         | _                       | $\bot$             | _                 | Ш          | -        | 4        | 78       | _         | _        | _        | _        | _        | _        | _        | 4                  | 4        | 1        |          | 128          | <u> </u> |  | <u> </u>          |  | _        |  |                 | _        | Ш               |
| 29                |   | Н        |                 | +                       | ┰                  | _                 | Н          | $\vdash$ | -        | 79       |           |          |          | -        |          | _        | _        | _                  | 4        | L        |          | 129          | _        | _  | _                 |  | <u> </u> | _  | Н               |          | Ш               |
| 30<br>31          |   | Н        | +               |                         | ┿                  | -                 | Н          | $\vdash$ |          | 80<br>81 | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | -        | +                  | $\dashv$ | ┝        | _        | 130<br>131   | ┝        | <u> </u>   | _                 | -  | $\vdash$ | $\vdash$   | Н               | _        | Н               |
| 32                |   |          |                 | ┿                       | ┿                  | $\vdash$          | $\vdash$   | -        |          | 82       | -         | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\dashv$ | ╅                  | $\dashv$ | ⊢        |          | 132          | -        | ┝  | ┝                 | -  | -        |  | $\dashv$        | -        | ┝╾┤             |
| 33                | <del>                                     </del>  | $\vdash$ |                 | +                       | +                  | $\vdash$          | Н          | -        |          | 83       |           | +        | $\dashv$ | $\dashv$ | -        | -        | -        | $\dashv$           | $\dashv$ | -        | -        | 133          | ┝        | -  | ┝                 | -  | -        |  | -               | -        | $\vdash$        |
| 34                | <del>    -</del>                                  | Н        | $\vdash$        | ┪                       | +                  | Н                 | Н          | $\vdash$ |          | 84       | -         | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\neg$   | +        | $\dashv$           | $\dashv$ | H        |          | 134          | $\vdash$ | <del>                                     </del> | $\vdash$          | <del>                                     </del> |          |  | $\vdash \vdash$ | $\dashv$ | $\vdash$        |
| 35                |   | Н        | $\dashv$        | $\top$                  | $\top$             | T                 | H          |          | $\top$   | 85       | $\dashv$  | $\dashv$ | 一        | 一        | 寸        | 一        | 寸        | _                  | 7        | F        | $\neg$   | 135          | $\vdash$ |  |                   |  |          | Т  | $\vdash$        | ᅥ        | $\sqcap$        |
| 36                | - -   |          | _               | 1                       | +                  | П                 | М          |          |          | 86       | $\neg$    | 7        | $\neg$   | 寸        | $\neg$   | 7        | 寸        | 寸                  | 7        |          |          | 136          | Γ        | l  |                   |  |          |  | $\Box$          |          | П               |
| 37                |   |          |                 |                         |                    |                   |            |          |          | 87       |           |          | J        |          |          |          |          |                    |          |          |          | 137          |          |  |                   |  |          |  |                 |          |                 |
| 38                |   |          |                 | $oldsymbol{\mathbb{T}}$ | $oxed{\mathbb{L}}$ |                   |            |          | Т        | 88       | J         |          |          |          |          |          |          |                    |          |          |          | 138          |          |  |                   |  |          |  |                 |          |                 |
| 39                |   |          |                 |                         |                    |                   |            |          |          | 89       |           | $\Box$   | $\Box$   | $\Box$   |          |          |          | $oldsymbol{\perp}$ |          |          |          | 139          |          |  |                   |  |          |  |                 |          |                 |
| 40                |   | Ш        |                 | $\perp$                 | Ļ                  | $\Box$            | Ш          |          |          | 90       |           | _[       |          |          | $\Box$   |          |          | $\perp$            | $\Box$   |          |          | 140          |          | <u> </u>   | L                 | _  |          | _  |                 |          |                 |
| 41                | <b>├</b> -├-                                      |          | $\perp$         | $\perp$                 | _                  | Щ                 | Ш          | $\vdash$ | $\perp$  | 91       | _         | _        | _        | _        | _        |          | _        | 4                  | _        | L        |          | 141          | <u> </u> | <u> </u>   | $ldsymbol{f eta}$ | <u> </u>   | _        | <u> </u>   | Ш               |          | Ш               |
| 42                | $\vdash \vdash$                                   | Н        | $\dashv$        | +                       | 4                  | Ш                 | Щ          | <u> </u> | +        | 92       | _         | _        | _        |          |          |          | _        | +                  | 4        | $\vdash$ |          | 142          | $\vdash$ | $\vdash$   | <u> </u>          | _  |          | $\vdash$   | $\sqcup$        | ᆚ        | Ш               |
| 43                | $\vdash$  | Н        |                 | +                       | +                  | $\vdash$          | Н          | -        |          | 93       | $\dashv$  | $\dashv$ | $\dashv$ | -        | $\dashv$ | -        | $\dashv$ | +                  | 4        | -        | $\dashv$ | 143          | $\vdash$ | <u> </u>   | $\vdash$          | $\vdash$   | -        |  | $\vdash \vdash$ | $\dashv$ | $\vdash \vdash$ |
| 44<br>45          | <del>                                     </del>  | $\vdash$ | +               | +                       | +                  | $\vdash$          | Н          | -        |          | 94<br>95 | -         | $\dashv$ | $\dashv$ | -        | -        | -        | $\dashv$ | +                  | -        | -        |          | 144<br>145   | ⊢        | ⊢  | <u> </u>          | $\vdash$   | ⊢        | $\vdash$   | $\vdash$        | -        | Н               |
| 45                | <del>                                     </del>  | Н        | $\dashv$        | +                       | ╁                  | $\vdash$          | Н          | $\vdash$ |          | 96       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | +                  | $\dashv$ | $\vdash$ | $\dashv$ | 146          | $\vdash$ | $\vdash$   | $\vdash$          | $\vdash$   |          | -  | $\vdash$        | -        | $\vdash\vdash$  |
| 47                | <del>                                     </del>  | $\vdash$ | -               | ╁                       | +                  | $\vdash$          | Н          | $\vdash$ |          | 97       | -         | -        | $\dashv$ | ┥        | $\dashv$ | -        | $\dashv$ |                    | $\dashv$ | $\vdash$ | -        | 147          | $\vdash$ | $\vdash$   | $\vdash$          | $\vdash$   | $\vdash$ |  | $\vdash$        | -        | $\vdash$        |
| 48                | <del>                                     </del>  | Н        | +               | +                       | +                  | H                 | Н          | $\vdash$ |          | 98       | $\dashv$  | $\dashv$ | $\dashv$ | -+       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$           | $\dashv$ | $\vdash$ | -        | 148          | $\vdash$ | $\vdash$   | $\vdash$          | $\vdash$   | ┝╌       | _  | $\vdash$        | $\dashv$ | Н               |
| 49                | <del>                                     </del>  | Н        |                 | +                       | +                  | $\dagger \exists$ | Н          |          | $\dashv$ | 99       | +         | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$           | $\dashv$ | 卜        |          | 149          |          | $\vdash$   | $\vdash$          | $\vdash$   | ┢        | _  | $\vdash$        | ᅥ        | Н               |
| 50                |   | П        | $\top$          | $\top$                  | $\top$             | $\Box$            | Н          |          |          | 100      | _         | _        | ┪        | 寸        | $\neg$   | 寸        | _        |                    | 7        | F        |          | 150          |          | $\vdash$   | $\vdash$          |  | Т        |  | Н               | $\neg$   | $\sqcap$        |